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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/629,321	07/31/2000	THOMAS C. HILL	PF01869NA	4702
20280	7590	12/16/2005	EXAMINER	
MOTOROLA INC 600 NORTH US HIGHWAY 45 ROOM AS437 LIBERTYVILLE, IL 60048-5343			JACKSON, BLANE J	
			ART UNIT	PAPER NUMBER
			2685	

DATE MAILED: 12/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/629,321

Applicant(s)

HILL ET AL.

Examiner

Blane J. Jackson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 November 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 4, 6 and 13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 13 is/are allowed.
- 6) ☒ Claim(s) 4 and 6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. Upon further review of claims 4 and 5, the previous Final Rejection is withdrawn. However, new ground(s) for rejection of claims 4 and 6 follow.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 4 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yee et al. (US 6085,090) with a view to Krishnamurthy et al. (2001/0033556).

As to claim 4, Yee teaches at least one sensor communicating sensor added information to a communication device within a network to control a power consumption level of the communication device, wherein the communication device uses a service discovery protocol to look for a fixed position sensor for additional sensor information to adjust the power consumption level of the communication device (figure 2, an autonomous interrogatable information and position wireless device (10) with control processor (20) that may be preprogrammed to *initiate a call* (rather than interrogated) to one or more predetermined telephone numbers *upon detection of certain conditions* of local fixed sensors or site equipment equipment, measured locations or location sets

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as detected by the geo-location device (14), column 4, line 27 to column 5, line 33 and the power converter/controller (104) signals a sleep mode and to cause a power switch (110) to turn off non-essential portion of the communications device when idle, column 8, lines 16-35, where specific sections may be shut off unless a message is being transmitted or received).

Yee does not teach the communication device uses a service discovery protocol of a wireless ad hoc network.

Krishnamurthy discloses a scalable unidirectional routing with zone routing protocol extensions for mobile ad-hoc networks where mobile wireless ad-hoc networks find applications in a broad range of situations including rescue operations, military deployment and sensor deployment, paragraphs 0002 and 0006.

It would have been obvious to one of ordinary skill in the art at the time of the invention to adapt the wireless sensor system of Yee in the network of Krishnamurthy for access to sensor information in a mobile wireless ad-hoc network.

As to claim 6, Yee teaches an apparatus comprising at least one sensor determines a position of the communication device (figure 2, GPS receiver (140), column 6, lines 7-53) and if the position of the wireless communication device is an active position, the communication device is place in an active power mode and if the position of the communication device is an inactive position, the communication device is placed in a stand-by power mode (figures 1 and 2, the control processor (20) may be

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preprogrammed to report or process and report sensor data, measured locations or location sets as sensed by the geo-location device (14), column 7-33).

Yee does not teach a communication device with a sensor to determine an orientation of the communication device to determine an active or standby power mode.

Miyashita discloses a portable telephone set comprising a gyro for detecting inclination of a main body such that a substantially horizontal position of the main body triggers the display portion on and a vertical position of the main body triggers the display off, figure 1, column 3, lines 44-57 and column 4, lines 32-29.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the communication device of Yee with the power control circuits of Miyashita to further reduce battery consumption.

Allowable Subject Matter

3. Claim 13 is allowed.

Conclusion

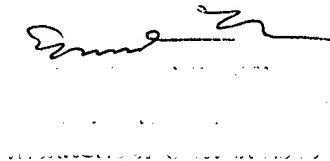
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Blane J. Jackson whose telephone number is (571) 272-7890. The examiner can normally be reached on Monday through Friday, 8:00 AM-5:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BJJ

A handwritten signature in black ink, appearing to read "Edward Urban", is written over a horizontal line. Below the signature, there is a faint, illegible stamp or text.